

CONSTRUCTION VALUE ENGINEERING CHANGE PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION

Contract ID 080125-501 Job No. J5P0833 Date 4/1/2008
County Pettis Route 50 Original Bid Cost \$1,997,133.32
Contractor Gaines Construction Company, Inc. By Randy Mayo
Designed By MoDOT Phone 314-604-4633

VE # 08-15

1. Description of existing requirements and proposed change(s). Advantages/Disadvantages

The existing traffic control plans restricted turning movements and added long term lane drops that would have an adverse impact on the traveling public. The intersection was also overdesigned with a stone mastic mix design. We propose a cost savings by using a 125B PG70-22 & 250B PG70-22 mix design, modify the traffic control using more daily lane drops verses long term lane drops and eliminate temporary concrete barrier curb, short term marking tape, tape and paint removal.

2. Estimate of reduction in construction costs. \$39,524.47

3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.

It is anticipated there will be no negative impacts to MoDOT.

4. Anticipated date for submittal of detailed change(s) of items required by Section 104.6 of the Specifications.

4/2/2008

(date)

5. Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.

4/15/08

(date)

No impact to schedule anticipated

(effect)

6. Dates of any previous or concurrent submission of the same proposal.

N/A

(date and/or dates)

Additional Comments:

**** Portion Below This Line To Be Filled Out by MoDOT ****

Comments: This matches what has been discussed previously.

E. J. B...

Submitted By Resident Engineer

4/2/08

Date

Comments: I concur with that proposed in the VE proposal.

☒ Approval
Recommended

☐ Rejection
Recommended

Roger Schwartz

District Engineer

4/2/08

Date

Comments:

☒ Approval

☐ Rejection

PCM for Dave Ahlvers

State Construction and Materials Engineer

4/2/08

Date

Distribution: Resident Engineer, Project Manager, District Operations Engineer, State Construction and Materials Engineer
*Value Engineering Administrator - *MoDOT, P.O. Box 270, Jefferson City, MO 65102

VALUE ENGINEERING PROPOSAL

Job #: J5P0833 Contract I.D. 080125-501
 Route: 50
 County: PETTIS
 Bid Date: 01/25/08

CHANGES	LINE NO.	ITEM NO.	DESCRIPTION	CLEARITY	UNITS	UNIT PRICE	BID TOTAL
UNDER RUN	150	4030132	ASPHALTIC CONCRETE MIXTURE PG 76-22 (SP12BBSM MIX)	✓ 1254.4	TONS	✓ \$103.75	-\$130,144.00
UNDER RUN	160	4030317	ASPHALTIC CONCRETE MIXTURE PG 76-22 (SP250B MIX)	✓ 732.9	TONS	✓ \$84.60	-\$62,003.34
UNDER RUN	390	6173600C	TEMPORARY CONCRETE TRAFFIC BARRIER, TYPE F, CONTRACTOR FURNISHED / RETAINED	✓ 336	LF	✓ \$35.00	-\$11,760.00
UNDER RUN	400	6174000	TEMPORARY CONC BARRIER HEIGHT TRANSITION	✓ 1	EA	✓ \$900.00	-\$900.00
REDUCE	470	6206301B	PREFORMED REMOVABLE MARKING TAPE 4 IN. WHITE	2684	LF	✓ \$0.73	-\$1,959.32
UNDER RUN	480	6206303B	PREFORMED REMOVABLE MARKING TAPE 4 IN. YELLOW	1882	LF	✓ \$0.73	-\$1,373.86
UNDER RUN	510	6207009A	PAVEMENT MARKING REMOVAL (PAINT)	6416	LF	✓ \$0.25	-\$1,604.00
REDUCE	520	6207005A	PAVEMENT MARKING REMOVAL (TAPE)	3800	LF	✓ \$0.20	-\$760.00
UNDER RUN	530	6221001	COLD MILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING (3 IN. THICK OR LESS)	✓ 9113	SQYD	✓ \$3.00	-\$27,339.00
UNDER RUN	540	6221003	COLD MILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING (GREATER THAN 3 IN. THICK)	✓ 3987	SQYD	✓ \$3.80	-\$15,150.60
					Underruns / Reductions		-\$252,994.12
ADD	150A	4030132	ASPHALTIC CONCRETE MIXTURE PG 76-22 (SP125B MIX)	1254.4	TONS	\$89.02	\$111,666.69
ADD	160A	4030317	ASPHALTIC CONCRETE MIXTURE PG 76-22 (SP250B MIX)	732.9	TONS	\$75.14	\$55,070.11
ADD	530A	6221001	COLD MILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING (3 IN. THICK OR LESS)	9113	SQYD	\$3.40	\$30,984.20
ADD	540A	6221003	COLD MILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING (GREATER THAN 3 IN. THICK)	3987	SQYD	\$3.95	\$15,748.65
					Additions		\$213,469.65
					VE Savings		-\$39,524.47




MEMORANDUM

Missouri Department of Transportation Project Operations-Construction District 5

TO: Pat McDaniel
Technical Support Engineer

CC: Eric Bruss

FROM: Duane Kliethermes 
District Final Plans Processor

DATE: April 2, 2008

SUBJECT: District 5
V.E. Proposal
Job No. J5P0833
Contract I.D. 080125-501
Route 50, Pettis County

RECEIVED
APR 03 2008
Construction & Materials - ECR

Attached is a value engineering proposal submitted by Gaines Construction Company on the above mentioned project.

The contractor proposes to use SP125 B & SP250B asphalt mix in lieu of the Stone Mastic set up in the contract, modifying the traffic control by using more daily lane drops.

We concur with our Resident Engineer and recommend this proposal be approved.

The potential savings involved are covered in the attachments

cc: File